

25X1A

## REPORT NO.

DATE DISTR. 5 Feb 1952

NO. OF PAGES 3

NO. OF ENCLS.  
(LISTED BELOW)

SUPPLEMENT TO  
REPORT NO. 25X1X

COUNTRY USSR (Yaroslavl Oblast)

**SUBJECT** Construction of PT Boats and Minesweepers at Shcherbakov

PLACE 25X1A  
ACQUIRED [REDACTED]

DATE OF INFO.

**DEFENDENCE COPY**

CIRCULATE

1. PT boats were built in the shipyard in Sancerbikov (38°03'N/38°50'E) up to 1947.
2. Description of boats:
  - a. Length about 30 meters, beam about 5 meters.
  - b. Three eight-cylinder, American, Packard engines. Engine for the central (inner) propeller shaft in the forward engine room, two engines side by side in the two after engine rooms, one diesel for each of the two internal (outer) propeller shafts. Three propellers and two rudders.
  - c. On each side a torpedo tube, mounted open on deck. Caliber about 50 cm; length of tubes about 8 to 10 meters. The ends of the tubes project over the side of the boat.
  - d. The torpedoes used in these tubes were fitted with two counterrotating propellers in line. They are charged by charging devices prior to leaving harbor. Recharging at sea is not possible. The torpedoes are open, with no caps at their forward ends. Discharge is effected by compressed air. The compressed-air flasks are arranged behind the torpedo tubes.
  - e. Other armament: Three platforms, each mounting a very heavy twin machine gun.
3. According to the statements of Soviet workmen and engineers, the speed of these boats is 60 knots.
4. Production of a series of another type of boat in the yard was started in 1947. [REDACTED] this change was made because the production of the PT boat series had been finished, according to plan.

4. Thereafter, nine sweepers of the 301 type were built in the yard.  
Description:

CLASSIFICATION SECRET CONTROL US OFFICIALS ONLY

[illegible]

- a. 36 meters long, 5 meter beam, 160 tons displacement.
- b. There were 72 frames in the hull; frame spacing a half-meter, thickness 10 cm. Inside, the frames were also wood-planked. The shell plating was 5 to 6 mm thick, 8 mm below the waterline.
- c. Three engines of American Packard type, same as the PT boats.
- d. Armament:
  - 30-mm rapid-fire gun forward of navigating bridge
  - Two MGs on bridge, about 13-mm caliber
  - 30-mm rapid-fire guns aft of funnel
- e. There is a fork-shaped twin spar at the stern which can be lowered by means of a chain device.
- f. Rails are laid on each side of the after deck; at the stern, these rails are continued a little over the rounded slope. Low trucks fitted with wooden chocks for carrying cylindrical bodies run on the rails. The trucks can run considerably past the rounding of the stern, so that on reaching an extreme position the bodies drop into the water from the inclination.
- g. Abreast of the engine skylights are racks for stowing large and small buoylike bodies. The large bodies are about 2 meters long and 30 to 40 cm in diameter. The smaller bodies are 80 cm long. The large bodies are fitted with cutting shears.
- h. A retractable gear with a diaphragm was fitted in the bottom of the mine sweeper. It could be rotated, and was operated from a room made soundproof by means of glass wool. In this room is a rather large box which was known to the PTs as the "Gidro-Akustik" gear. \* One man could sit in this room.
- i. In the upper living quarters were 16 berths, and there were also hammock hooks there. Other berths in the lower rooms could only be entered in a crouching position.
- j. The boats had gray camouflage paint. The underwater paint was black.
- k. The PTs estimate the ship's complement at 30.
6. Five of these boats were completed from 1947 to October 1948. Nineteen other boats of this type were laid on the ways during that period.
7. Soviet workmen stated that the boats go to Leningrad after completion. The PT boats were shipped by rail, two cars per boat. The mine sweepers proceeded by sea.
8. The Soviet operating officer of the yard, Lt Zukoloff, stated that the Shcherbakov Shipyard held second place in its line in the Soviet Union for percentage of output.

Comment:

a. PT boats

These seem to be of Soviet D 3 type. A speed of 60 knots does not seem probable.

**CONFIDENTIAL**

SECRET - CONTROL/US OFFICIALS ONLY

b. Mine sweepers.

Soviet 1301 type. According to the description, each of these seems to be equipped with a paravane and with the standard mine sweeping gears. These boats also seem to be used as submarine chasers. The installation on the after deck is probably for depth charges.

- \* The "Gidro-Akustik gear" fitted to the bottom of the boats may be a sonar device for the detection of submarines, but it might be a device for exploding electric mines.

CONFIDENTIAL

SECRET/CONTROL/US OFFICIALS ONLY